

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor : Takeshi TODA, et al.
Filed : Concurrently herewith
For : ADAPTIVE CONTROLLER AND.....
Serial Number : Concurrently herewith

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

March 18, 2004

INFORMATION DISCLOSURE STATEMENT

SIR:

In order to comply with discretionary regulations 37 CFR 1.97 and 1.98, attached hereto is a copy of Form PTO-1449 and copies of the documents listed thereon. These documents contain information which the Examiner may consider to be important in deciding whether to issue a patent in the instant application.

For documents written in a language other than English, English language abstracts are annexed thereto explaining relevancy in accordance with 37 CFR §1.98 (a)(3).

As this Statement is being filed prior to issuance of a first Office Action, no fee is due.

The present Disclosure Statement is being submitted in compliance with 37 CFR 1.56 as an Examiner might consider any cited document important in deciding whether to allow the application to issue as a patent, but the citation of each document is not to be construed as an

admission that such document is necessarily relevant or prior art. No representation is intended that the cited documents represent the results of a complete search, and it is anticipated that the Examiner in the normal course of examination, will make an independent search and will determine the best prior art consistent with 37 CFR 1.104 (a), and in the course of such search will review for relevance every document cited on the attached form even if not initialed.

Early and favorable consideration is respectfully solicited.

Any fee due with this paper may be charged on Deposit Account 50-1290.

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'TJ Bean', written over a horizontal line.

Thomas J. Bean
Reg. No. 44,528

Customer Number: 026304
Docket No: FUJI 21.074

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1449/PTO	U.S. Department of Commerce Patent and Trademark Office	Application No. :
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <u>Sheet 1 of 1</u>		Filing Date :
		First Named Inventor: T. TODA
		Group Art Unit :
		Examiner Name :
		Attorney Docket No. : FUJI 21.074

U.S. PATENT DOCUMENTS						
Examiner Initials	Cite No. ¹	U.S. Patent Document	Kind Code if known ²	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns Lines Where Relevant Passages or Relevant Figures Appear

FOREIGN DOCUMENTS						
Examine r Initials	Cite No. ¹	Foreign Patent Document Office ³ Number ⁴ Kind Code ⁵ (if known)	Country	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns Lines Where Relevant Passages or Relevant Figures Appear
		2002-118414	JP	ATR Adaptive Communications Res Lab	04-19-2002	

Other Prior Art-Non Patent Literature Documents

Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date page(s), volume-issue number(s), publisher, country, where published, source.	Applicant check her if English language translation attached
		JUN CHENG, et al. Adaptive Beamforming of ESPAR Antenna Based on Steepest Gradient Algorithm. IEICE Trans. Commun. Vol.E84-B, No.7 July 2001	
Examiner Signature			Date Considered

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw a line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³ Enter Office that Issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.1^o if possible. ^o Applicant is to place a check mark here if English language Translation is attached.

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